(Domestic Non-Assigned/Foreign) . Page 1

RULE 63 (37 C.F.R. 1.63) INVESTIGATION FOR PATENT APPLICATION THE TED STATES PATENT AND TRADEMARK

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As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

was fled as PCT international application No. PCT/US99/10579 Intereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patientality of this nepilication in accordance with a possibility of the interest patient foreign priority to disclose information which is material to the patientality of the nepilication in accordance with a possibility of the nepilication in patient or inventor's certificate having a filling date before that of the application on which is material to the patient or inventor's certificate having a filling date before that of the application on which is material to the patients of the patients of the patients of the application of the priority is claimed, before the filing date of this application. Priority Foreign Applications(s): Application Number I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States provisional applications is listed above or below and, insofar as the subject mater of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 u.S.C. 1120/365 of all prior United States and PCT International applications in the manner provided by the first paragraph of 35 u.S.C. 1120/365 of all prior United States and PCT International applications in the manner provided by the first paragraph of 35 u.S.C. 1120/365 of all prior United States and PCT International applications in the manner provided by the first paragraph of 35 u.S.C. 119/365 of all prior United States and PCT International applications in the manner provided by the first paragraph of 35 u.S.C. 119/365 of all prior United States and PCT International applications in the paragraph of 35 u.S.C. 119/365 of all prior United States and PCT International applications in the paragraph of 35 u.S.C. 119/365 of all prior United States and PCT Internat		attached hereto vas filed on	ck applicable box(s)):	as U.S. Applicatio	n Serial No.		. 10	1000	(Atty Dkt. No.	-)
I hereby state that I have reviewed and understand the contents of the above identified spocification, including the claims, as amended by any amendment reterred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with a special property. I hereby claim foreign priority benefits under \$5 U.S.C. 119/355 of any foreign application is patent or inventor's certificate below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which provides the patent of the patent of the property certificate having a filing date before that of the application on which provides applications (see the patent of the provided o	and (if a	applicable to U.S. or PC	auonai application No. T application) was ame	ended on		on	+ May	1999		
I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. Application Number I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT International applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, lacknowledge the duty to disclose material information as defined in 37 C.F.R. 1.55 which occurred between the filling date of the prior applications and the national or PCT international filing date of this application: Prior V.S./PCT Application(s): Application Serial No. Day/Month/Year Filed Day/Month/Year Filed Status: patented pending, abandoned PCEF/IIS99/10579 14 May 1999 1999 14 May 1999 15 Potential Statements made herein of my own knowledge that willful false statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may leopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint NIXON & VANDERIYE P.C., 1100 North Glebe Residency in the Patent and Trademark Office connected therewith and with the reculting patent: Arthur 1. Crawford, 25327; Larry S. Nixon, 25640; Robert A. Vanderflye, 27076; James T. Hosemer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770. Mark E. Nusbeum, 32348. Michael J. Keenan, 32108 Bryanth. Davidson, 30251: Stanley C. Spooner, 27333; Leonard C. Michard, 25008; Duane M. A. Hardenson, 34488; Alan M. Kagen, 36172. Robert A. Molain, 28634; Barb. Yanderflye of behalf of the owner(s). Inventor's Signature: Inventor: Inventor's Signature: Inventor's Signature: Inventor's Signature: Invent	I hereby amenda 37 C.F.I below a priority I Priority I Applica	r state that I have revienent referred to above. R. 1.56. I hereby ctaim have also identified a claimed or, if no prior Foreign Application(s): tion Number	wed and understand the I acknowledge the duty foreign priority benefits below any foreign applitity is claimed, before the	a contents of the above identity to disclose information which under 35 U.S.C. 119/365 of cation for patent or inventor's a filing date of this application	n is material t any foreign ap certificate ha	o the patenta polication(s) f	bility of t	his appl or inve re that c	ication in acco ntor's certificat of the application	rdance with the listed on on which
LS.C. 112. I acknowledge the duty to disclose metrial information as defined applications in the manner provided by the first paragraph of 35 U.S.C. 112. I acknowledge the duty to disclose metrial information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application: Prior U.S./PCT Application(s): Application Serial No. Day/Month/Year Filed Day/Month/Year Filed Day/Month/Year Filed Day/Month/Year Filed Day/Month/Year Filed PCT/UIS99/10579 14 May 1999 14 May 1999 14 May 1999 14 May 1999 15 Thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisorment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereoty prior NIXON & VANDERHYE P.C., 1100 North Glebe R.8 Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively owner's attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25327. Larry S. Nixon, 25640, Robert A. Vanderhye, 27076; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 2770; Mark E. Nusbaum, 32348; Michael J. Keenan, 3210B. Bryan-H. Davidson, 30251; Stanley C. Spooner, 27323; Leonard C. Michand, 25009; Duna M. Byers, 33356; Jeffty H. Nelson, 30484; John R. Lastove 3149, H. Warron Burnam, Jr. 29369; Thomas E. Byrne, 3230; Hoseph A. Rhoa, 37515; Raymond Y. Mah, 41426—I also authorize Nison & Vanderhye to de	I hereby Applica	claim the benefit unde	r 35 U.S.C. §119(e) of a	any United States provisional Date/Month/Year I	application(s)	isted below		-		
Application Serial No. Day/Month/Year Filed pending, abandoned PCT-/US99/10579 14 May 1999 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that euch willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd, 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively owner/s/owners' shorely to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25327. Larry S. Nixon, 25640; Robert A. Vanderhye, 27076; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32108; Ryanth Davidson, 30251; Stanley C. Spooner, 27303; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jerfly H. Nelson, 30481; John R. Lastow 3149; H. Warren Burnam, Jr. 29366; Thomas E. Byrne, 32205; Mary J. Wilson, 3295; J. Scott Davidson, 3348; Alan M. Kagen, 36178; Robert A. Molain, 2943; B. J. Sadotf, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; H. Sampond Y. Mah, 41426. Halso authorize Nixon & Vanderhye on behalf of the owner(s). Inventor's Signature: Inventor: Inventor's Signature: Inventor: Mark (Irist) Research Triangle Park (state/country) Inventor's Signature: Inventor: Mark (Irist) Research Triangle Park (state/country) Post Office Address: Cipic Code Mark (Irist) Andrew PAULIK (Irist) PAULIK (Irist) Citizenship)	U.S.C. 1	12. I acknowledge the ons and the national or	alms of this application and duty to disclose material PCT international filing	is not disclosed in such prior a Il information as defined in 37	inplications in	i the manner	provided	hu the	first naragraph	of 25
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that euch willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 818-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25227: Larry S. Nixon, 25640; Robert A. Vandeithye, 27076; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Byyan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Michard, 29009; Duane M. Byers, 33363; Jeffry H. Nelson, 30481; John R. Lastow 3149; H. Warren Burnam, Jr. 29366; Thomas E. Byrne, 32205; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molain, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lesting 3331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoa, 37515; Raymond Y. Mah, 41426.— Ialso authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the tirm and to act and rety solely on instructions directly communicated from the 2018 of the owner of	Prior U.s	S/PCT Application(s) tion Serial No.	:	Day/Month/Year F	led			p		
in further that further that threes statements were made with the knowledge that willful false statements and the like so made are punishable by tine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that euch willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8° Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively owner's difference to the patient and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25327; Larry S. Nixon, 25640; Robert A. Vanderhye, 27076; James T. Hosmer, 30184; Robert W. Faris, 31352-Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan-H. Davidson, 30251; Stanley C. Spooner, 27339; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffty H. Nelson, 30481; John R. Lastons 33149; H. Warren Burnam, Jr. 29366; Thomas E. Byrne, 32205; Mary J. Wilson, 22955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoa, 37515; Raymond Y. Mah, 41456.— Ialso authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the Deerson, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s). Inventor's Signature: I	PCT/I	JS99/10579		14 May 1999						
Inventor: James Martin LENHARD US Residence: (city) Post Office Address: (Zip Code) Inventor: Inventor: Inventor: Residence: (city) Post Office Address: City Research Triangle Park Inventor: Mark (Iirst) Andrew PAULIK (Iast) US Residence: (city) Research Triangle Park (state/country) US Date: 12 - 12 - \infty US Citizenship) Research Triangle Park (state/country) US Citizenship) Citizenship) Research Triangle Park (state/country) IS Continue Inventor: Mark (Iirst) IS Continue Inventor:	imprison application application 8 Floor attorneys in the Par Vanderhy Bryan H. 33149: H Molan, 29 Lester 32 Vanderhy	ment, or both, under Sign or any patent issued, Arlington, VA 22201 athereof (of the same attent and Trademark Office, 27076; James T. H. Davidson, 30251; Star 1, Warren Burnam, Jr. 2834; B. J. Sadoff, 3662331; Frank P. Presta, we to delete any attented	internents were made vection 1001 of Title 18 of thereon. And on behate 4714, telephone number didress) individually and fice connected therewith osmer. 30184; Robert Whiley C. Spooner, 27393; 29366; Thomas E. Byrne 63; James D. Berquist, 19828; Joseph S. Prestly names/numbers no le	with the knowledge that willful if the United States Code and If of the owner(s) hereof, I hereof to the owner(s) hereof, I hereof to collectively owner's/owners' hand with the resulting paten V. Faris, 31352; Richard G. Ber Leonard C. Mitchard, 29009, 32205; Mary J. Wilson, 328, 32776; Updeep S. Gill, 37334, 14, 35329; Joseph A. Rhoa, 3	false statement that such will eby appoint I all communattorneys to part of the statement o	ints and the I ful false state IIXON & VAI it cations are prosecute this rawford, 253 Mark E. Nusl yers, 33363; avidson, 334 shea, 34725; avidson, 344, 4	ike so ma ements m NDERHY to be di s applicat 27: Larry Daum, 32 Jeffry H. 89: Alan Donald L	ade are nay jeor (E P.C., rected) tion and S. Nixo 348; Mi Nelson, M. Kag Jacks	punishable by pardize the validation of the following to the following t	fine or dity of the lebe Rd., ving business bert A. n. 32106; R. Lastova bert A. chelle N.
Residence: (city) Post Office Address: (Zip Code) Inventor's Signature: Inventor: Residence: (city) Post Office Address: Glaxo Wellcome Inc, Five Moore Drive, Research Triangle Park, Mark (first) Research Triangle Park (state/country) Research Triangle Park (state/country) Glaxo Wellcome Inc, Five Moore Drive, Research Triangle Park,	1. J-W		Hame M	Denhund		·	Date:	12-	12-00	
Inventor's Signature: Inventor: Signature: Inventor: Mark (first) Andrew PAULIK (last) (citizenship)	•	Residence: (city)	(first) Research Tria	MI angle Park	(state/countr	(last) V) US			(citizenship	·)
Inventor's Signature: Mark (first)				ne Inc, Five Moore	Drive,	Research	Tria	ngle	Park,	-
Inventor: Mark (first) Andrew PAULIK US (citizenship)	2. 01	Inventor's Signature:	JAK.	sproza.	(la)		Date:	i7	-12-~	
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		(Zip Code)	NC 27709						UC	

OR ADDITIONAL INVENTORS, check box 🔲 and attach sheet with same information and signature and date for each.